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What is claimed is:

A magnetically induced super resolution-type magneto-optical recording medium comprising, on a light-transmitting substrate, at least a recording layer for recording and retaining information therein, and a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, wherein:

an exchange-coupling breaking layer is disposed between said recording layer and said read-out layer, and said exchange-coupling breaking layer comprises a layer of a nitride of either one of GdFeCo or TbFeCo.

2. A magnetically induced super resolution-type magneto-optical recording medium comprising, on a light-transmitting substrate, at least a recording layer for recording and retaining information therein, a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, and a read-out auxiliary layer, wherein:

an exchange-coupling breaking layer is disposed between said read-out auxiliary layer and said recording layer, and

said exchange-coupling breaking layer comprises a layer of a nitride of either one of GdFe or TbFeCo.

3. The magneto-optical recording medium according to claim 1, wherein said exchange-coupling breaking layer has a thickness in a range of from a one-atom layer thickness to 100 Å.

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- 4. The magneto-optical recording medium according to claim 2, wherein said exchange-coupling breaking layer has a thickness in a range of from a one-atom layer thickness to 100 Å.
- 5. A process for manufacturing a magnetically induced super resolution-type magneto-optical recording medium which comprises, on a light-transmitting substrate, at least a recording layer for recording and retaining information therein, and a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, said process comprising the steps of:

forming said read-out layer;

forming, on said read-out layer, an exchangecoupling breaking layer comprising a layer of a nitride of GdFeCo by sputtering; and

forming said recording layer on said exchange-coupling breaking layer, wherein the step of forming said exchange-coupling breaking layer is conducted by, immediately before completion of said step for forming the read-out layer, introducing N_2 into a chamber used for forming said read-out layer so that a layer of a nitride of GdFeCo having a thickness of a one-atom layer thickness or more is formed in the chamber.

6. A process for manufacturing a magnetically induced super resolution-type magneto-optical recording medium which comprises, on a light-transmitting substrate, at least a recording layer for recording and retaining

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information therein, and a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, said process comprising the steps of:

forming said read-out layer;

forming, on said read-out layer, an exchangecoupling breaking layer comprising a layer of a nitride of TbFeCo by sputtering; and

forming said recording layer on said exchange-coupling breaking layer, wherein the step of forming said exchange-coupling breaking layer is conducted by, immediately before completion of said step for forming the read-out layer, introducing N_2 into a chamber used for forming said read-out layer so that a layer of a nitride of TbFeCo having a thickness of a one-atom layer thickness or more is formed in the chamber.

7. A process for manufacturing a magnetically induced super resolution-type magneto-optical recording medium which comprises, on a light-transmitting substrate, at least a recording layer for recording and retaining information therein, a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, and a read-out auxiliary layer, said process comprising the steps of:

forming said read-out layer;

forming said read-out auxiliary layer by sputtering; forming, on said read-out auxiliary layer, an exchange-coupling breaking layer comprising a layer of a nitride of GdFe by sputtering; and

forming said recording layer on said exchange-

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coupling breaking layer, wherein the step of forming said exchange-coupling breaking layer is conducted by, immediately before completion of said step for forming the read-out auxiliary layer by sputtering, introducing N_2 into a chamber used for forming said read-out auxiliary layer so that a layer of a nitride of GdFe having a thickness of a one-atom layer thickness or more is formed in the chamber.

8. A process for manufacturing a magnetically induced super resolution-type magneto-optical recording medium which comprises, on a light-transmitting substrate, at least a recording layer for recording and retaining information therein, a read-out layer for copying therein the information retained in said recording layer during reproduction of the information, and a read-out auxiliary layer, said process comprising the steps of:

forming said read-out layer;

forming said read-out auxiliary layer by sputtering; forming, on said read-out auxiliary layer, an exchange-coupling breaking layer comprising a layer of a nitride of TbFeCo by sputtering; and

forming said recording layer on said exchange-coupling breaking layer, wherein the step of forming said exchange-coupling breaking layer is conducted by, immediately after start of said step for forming the recording layer by sputtering, introducing N_2 into a chamber used for forming said recording layer so that a layer of a nitride of TbFeCo having a thickness of a one-atom layer thickness or more is formed in the chamber.